

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	8471905
<b>Application Number:</b>	10725904
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	3195
<b>Title of Invention:</b>	Method and apparatus for providing an efficient control channel structure in a wireless communication system
<b>First Named Inventor/Applicant Name:</b>	J. Rodney Walton
<b>Customer Number:</b>	23696
<b>Filer:</b>	Kenyon S. Jenckes/Judy Bridgwater
<b>Filer Authorized By:</b>	Kenyon S. Jenckes
<b>Attorney Docket Number:</b>	030412
<b>Receipt Date:</b>	22-SEP-2010
<b>Filing Date:</b>	01-DEC-2003
<b>Time Stamp:</b>	13:31:59
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part/.zip	Pages (if appl.)
1		030412_IDS.pdf	179543 1b5aaade492608ff540dcca3061414fe97b3 a22b	yes	11
<b>Multipart Description/PDF files in .zip description</b>					
<b>Document Description</b>		<b>Start</b>		<b>End</b>	
Information Disclosure Statement (IDS) Filed (SB/08)		1		10	
Transmittal Letter		11		11	

### Warnings:

### Information:

2	Foreign Reference	EP1185048.pdf	1113292 d1addfc9db6dc2e5d7243b0e47cb8235911 84e87	no	19
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### Warnings:

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3	Foreign Reference	CN1308794.pdf	3029206 1e0dd2f19945227696b24bc0c1cca431756 e65bb	no	64
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4	Foreign Reference	JP2002176379A.pdf	701745 e832842a29618b9cdd01514c51df0a50ff3f 5d95	no	13
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5	Foreign Reference	WO98009381.pdf	3234957 66e01e803f847fba21148e53b5e0b5d787d 1bb92	no	33
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6	Foreign Reference	WO98030047.pdf	2827241 a728391de7f68b2e895f839902573391394 34b30	no	65
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7	Foreign Reference	WO0203557A1.pdf	2856769 55e7259587bc42296228e8db49219a1ced 8c8a8	no	49
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12	Foreign Reference	EP1087545.pdf	14071 49661bd1a2b06cb0609336bbc06dea5822 6c5284	no	1
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17	Foreign Reference	RU2015281.pdf	247725 827f902a479aa216a249769a73c6d51ea1b 6505d	no	9
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31	NPL Documents	TIA_EIA_IS_2000_2_A.pdf	11323109 2d65692d1ad3e6901cc9b6e77e0d09038ce 26afe	no	448
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32	NPL Documents	High_Rate_Codes_That_Are_Li near_in_Space_and_Time.pdf	14362478 d798145f4e2a642e5f93a4ff9ad6718d0abe b0c3	no	56
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33	NPL Documents	On_implementation_of_bit_lo ading_algorithms_GAO.pdf	228406 cbe1b55ecbac4de3218c59350f777c6edab 4c630	no	5
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34	NPL Documents	A_new_spatio_temporal_equalization_method.pdf	515499 c5e848395ae2ab32d33ea62340056e82c79 e33a2	no	10
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35	NPL Documents	MULTICARRIER_MODULATION_FOR_DATA_TRANSMISSION.pdf	1777693 49846a58ed0230151b6e198eaff49d309d4 a0f99	no	8
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36	NPL Documents	Utilizing_Quantized_Feedback_Information_in_Othogonal.pdf	3603426 60d44c451200ad0b083badcab895a345bfd 98796	no	6
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37	NPL Documents	Short_Term_Long_Term_Diagonalization.pdf	421545 817c57a5cdda470530b0b155387ac1bbeb 8a230	no	5
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38	NPL Documents	A_Low_Complexity_ML_Channel_Estimator.pdf	389438 0b0124aebc95b3f198a5a583a523498dbd5 b565f	no	5
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39	NPL Documents	High_Data_rate_Transmission_with_Eigenbeam_space.pdf	241986 aff5181de8729df81047dbcd70b530214dd 5b77	no	5
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42	NPL Documents	Robust_Frequency_Offset_Estimation_for_Pilot_Symbol.pdf	302268 afcc250684f1d53fdcafa1598ec9325981d 998	no	3
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43	NPL Documents	A_mimo_technique_within_the_UTRA_TDD_standard.pdf	280002 7a878a350373111d2eec7fd3a59f8fa3b255 9282	no	10
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44	Fee Worksheet (PTO-875)	fee-info.pdf	30342 144706fdc017fa9ad5207d57592ebdbf7a9e 87bd	no	2
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<b>Total Files Size (in bytes):</b>	123847446
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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.